

INFORMATION DISCLOSURE STATEMENT

(Use Several Sheets if necessary)

ATTY DOCKET NO.

CSA 008

APPLICATION NO.

APPLICANT

Michael J. C. Smith

FILING DATE

January 12, 2004

GROUP

Unknown

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE IF APPROPRIATE
JM	4,139,171	2/13/79	Harris	244	22	
JM	5,163,861	11/17/92	Van Ruymbeke	446	35	
JM	5,899,408	5/4/99	Bowers, Jr.	244	11	
JM	4,749,149	6/7/88	Gruich	244	22	
JM	4,718,877	1/12/88	Girsch et al.	446	313	
JM	4,793,573	12/27/88	Kelfer	244	11	
JM	4,729,748	3/8/88	Van Ruymbeke	446	35	

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION YES NO
					<input type="checkbox"/> <input type="checkbox"/>

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

JM	Michael J. C. Smith, "Simulating Flapping Insect Wings . . .", Ph.D. Thesis, Purdue University, 5/25/95
JM	Michael J. C. Smith, "Reinstating Inquiry into Mechanized Flapping-Wing Flight . . .", AIAA 97-0533, 35 th Aerospace Sciences Meeting and Exhibit, January 6-10, 1997
JM	Smith et al., "The Advantages of an Unsteady Panel Method in Modelling . . .", J. Experimental Biology 199, 1073-1083 (1996).
JM	Michael J. C. Smith, "Simulating Moth Wing Aerodynamics: Towards the Development of Flapping-Wing Technology", AIAA Journal 34:1348-1355 (1996)
JM	DeLaurier and Harris, "A Study of Mechanical Flapping-Wing Flight", Aeronautical Journal, October 1993
JM	"Hargrave's Flying Machine, The American Engineer, May 1893, pp 233-34.
JM	Michael J. C. Smith, "Trajectory Control of Flapping Wings: . . .", 6 th AIAA/NASA/USAF Multidisciplinary Analysis and Optimization Symposium, September 4-6, 1996

EXAMINER

Woodrow Elhed

DATE CONSIDERED

4-30-04

*EXAMINER:

Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to Applicant.

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE <small>IF APPROPRIATE</small>	
gk	6,568,634	May 27, 2003	Smith	244	72		
gk	6,206,324	Mar. 7, 2001	Smith	244	72		

FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	PUBLICATION DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION <small>YES NO</small>	
gk	01/15971	Mar. 8, 2001	WIPO	B64C	33/02	<input type="checkbox"/>	<input type="checkbox"/>

OTHER DISCLOSURES (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)	
gk	"Spencer's Ornithopter", Model Airplane News, February 1999, pp. 40-43, 45
gk	Hollington, "Military to look to flying insect robots", Industrial Robot, 25:123-128 (1998)
gk	Michelson, "Update on Flapping Wing Micro Air Vehicle Research", 13 th Bristol International RPV Conference, 30 March - 1 April 1998.
gk	"Tiny Drones May Be Soldier's New Tool", Aviation Week & Space Technology, June 8, 1998, pp. 42-48
gk	"Honey, I Shrunk the Plane", Machine Design, October 8, 1998 pp. 353-48.
gk	"Several Micro Air Vehicles In Flight Test Programs", Aviation Week & Space Technology, July 12, 1999, pp. 47-48.
gk	"Quetzalcoatl", Model Aviation, August 1986, pp. 84-90, 158.
gk	"Microplanes", Popular Science, January 1998, pp. 54-59.
gk	Michael J. C. Smith, "Leading Edge Effects on Moth Wing Aerodynamics, . . .", 14 th AIAA Applied Aerodynamics Conference, June 17-20, 1996
gk	"Learning From the Birds and Bees", I. D. Magazine, November 1998, pp.66-69.

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